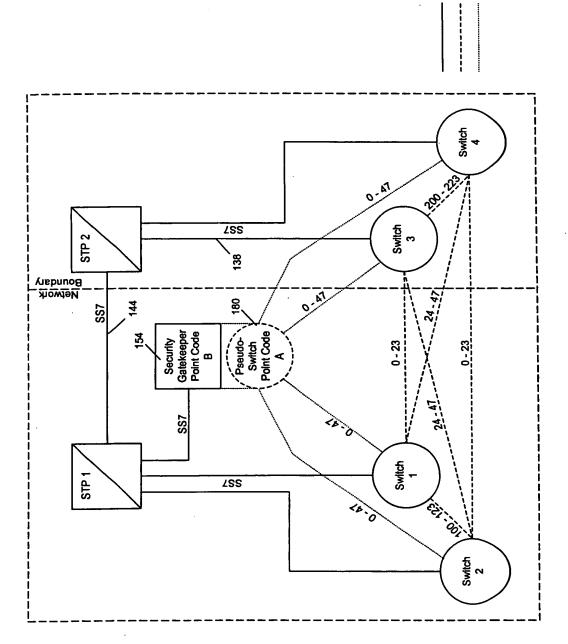


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rial No.: 09/781,922
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Title: Method and Apparatus for In Context...
Sheet 3 of 15



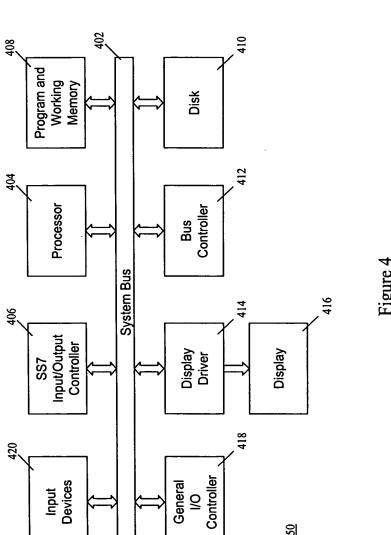
Physical Trunks Virtual Trunks

SS7 Links





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Yerial No.: 09/781,922
Date Filed: February 5, 2001
Title: Method and Apparatus for In Context...
Sheet 4 of 15



Input Devices

Figure 4

150

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Atte Filed: February 5, 2001
Fitle: Method and Apparatus for In Context...
Sheet 5 of 15

SUP SS7 Protocol MTP-L3 MTP-L2 MTP-L1 TCAP/ASP OMAP SCCP TCAP/ASP TCAP

Application Service Part (Connection Oriented Protocols Legend

Operations, Maintenance, Application Part Message Transfer Part (L1, L2 & L3) ASP -MTP -OMAP -SCCP -TCAP -

Signaling Connection Control Part Transaction Capability Application Part

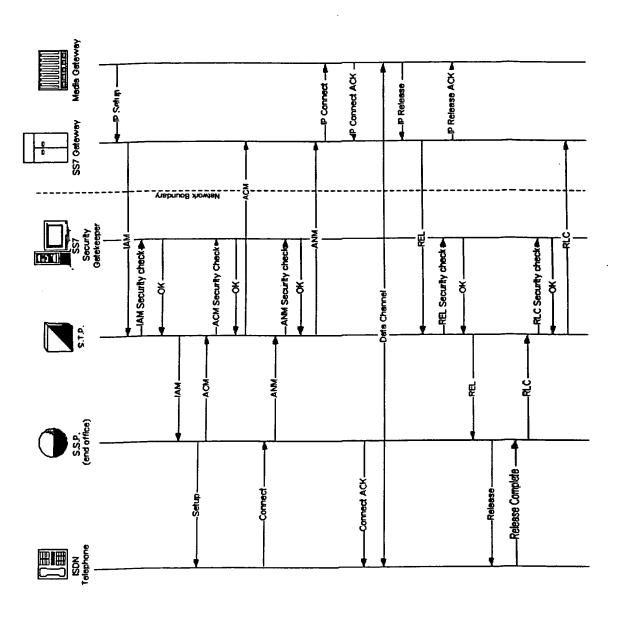
Figure 5

Presentation Application Transport Data Link Session Physical Network

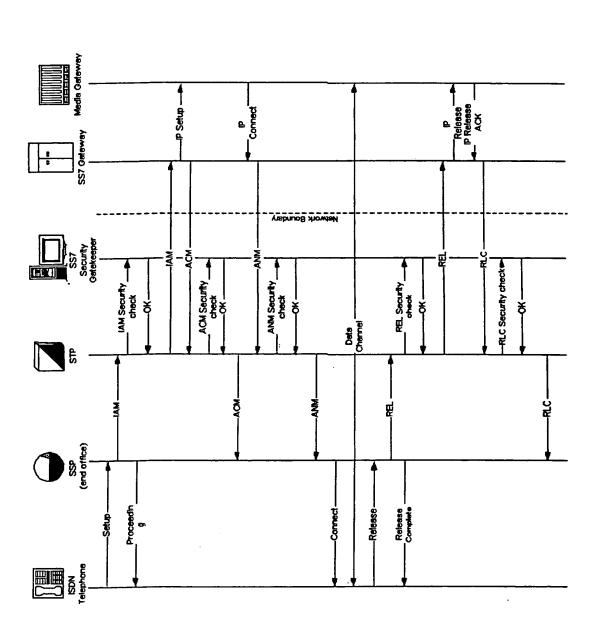
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Serial No.: 09/781,922
Date Filed: February 5, 2001
Title: Method and Apparatus for In Context...
Sheet 6 of 15





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Attny Docket:414.036CIP/09908722
Inventor(s): Arthur DOSKOW, et al
Serial No.: 09/781,922
Date Filed: February 5, 2001
Title: Method and Apparatus for In Context...
Sheet 7 of 15



FULBRIGHT & JAWORSKI, L.L.P.
Attny Docket:414.036CIP/09908722
Inventor(s): Arthur DOSKOW, et al
Serial No.: 09/781,922
Date Filed: February 5, 2001
Title: Method and Apparatus for In Context...
Sheet 8 of 15

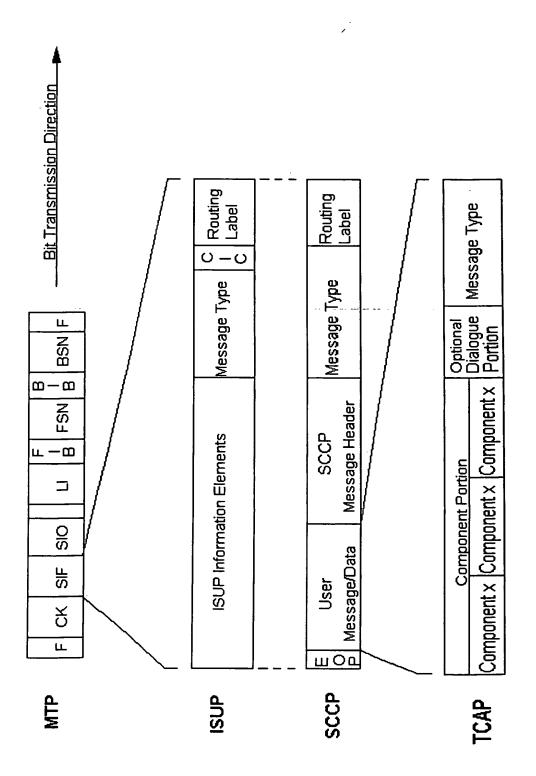


Figure 8

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Serial No.: 09/781,922
Date Filed: February 5, 2001
Title: Method and Apparatus for In Context...
Sheet 9 of 15



		*		60	r.	4	က	7	-
Flag	<	0	-	-	-	_	-	-	0
Forward sequence Information	æ	BSN/ BIB		Back	ward (nenbes	Backward Sequence Number	lber	
Backward Sequence Information	U	PSN/ BIF		Ę	vard S	Duenbe	Forward Sequence Number	je g	
Message langth Indicator	٥	ઝ	Spare		, P	Length Indicator	cator		
Service Information	ш	National Network Opt.	y Opt	≥ ⊊	Mess	ļ	MIPUR	MTP User Part (ISUP)	٦
	٠ .					Destination Point Code			
is a second of the second of t	L				ĮŌα̃	Origination Point Code	5.8		
				Signs	alling Li	Signaling Link Selection	ction		
מנ	ဖ			Circuit	Identifi	Circuit identification Code	Code		
Message Type	I				Messe	Меssage Туре	6		
ISUP Information Element	-			δ	9 e	SUP Parameters	وع		
Check Bits	-	Ш			유 왕 왕				

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Inventor(s): Arthur DOSKOW, et al
Serial No.: 09/781,922
Date Filed: February 5, 2001
Title: Method and Apparatus for In Context...
Sheet 10 of 15

Security Context Length Indicator Parameter Security Context Parameter Value Security Context

Length Indicator Parameter

Parameter Content

Name of ISUP Parameter

Figure 11

Security Context Values

Value	Meaning
0	Not used.
1	Data Encryption Algorithm
7	Integrity Check
3	Message Code Authentication
4	Sequence, Timestamp and Identification

Figure 12

Figure 10

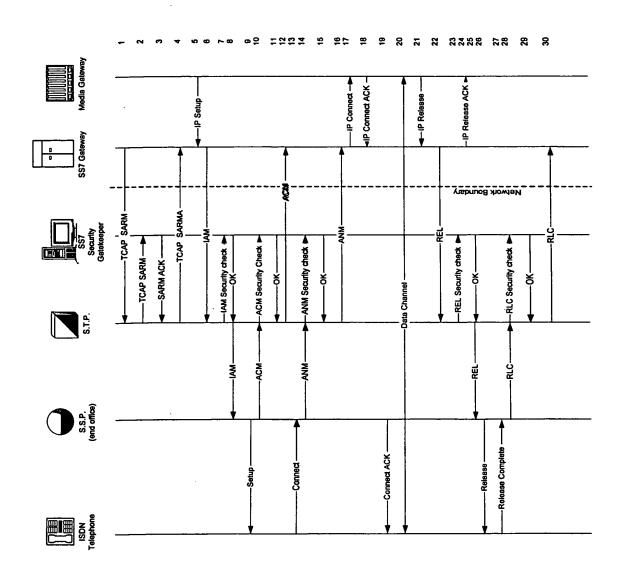
Length Indicator Parameter

Parameter Content

Name of ISUP Parameter

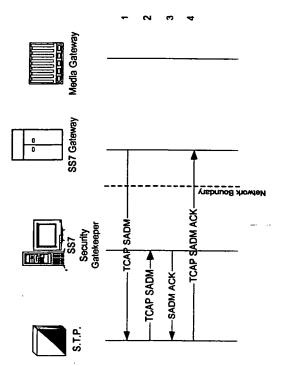
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Serial No.: 09/781,922
Date Filed: February 5, 2001
Title: Method and Apparatus for In Context...
Sheet 11 of 15





FULBRIGHT & JAWORSKI, L.L.P.
Attny Docket:414.036CIP/09908722
Inventor(s): Arthur DOSKOW, et al
Serial No.: 09/781,922
Date Filed: February 5, 2001
Title: Method and Apparatus for In Context...
Sheet 12 of 15









FULBRIGHT & JAWORSKI, L.L.P.
Attny Docket: 414.036CIP/09908722
Inventor(s): Arthur DOSKOW, et al
Serial No.: 09/781,922
Date Filed: February 5, 2001
Title: Method and Apparatus for In Context...
Sheet 13 of 15

Address Complete Message

Initial Address Message

SIO and Routing Label

ndicator Value sters Indicator ngth Indicator tor Bits H..A Order 6-bits tor Bits P..I tional Part ter Code SIO and Routing Label Octet 9 = 0

No. of Octets = Length Indicator Value End of Optional Parameters Indicator

Optional Parameter

2-bits CIC High-C	┨	_	Backward Call Indicat	Backward Call Indical	Offset to Start of Opl	Optional Paramete	Optional Parameter Ler	Optional Param	No. of Octets = Length Ir	End of Optional Parame	Ü	rig. 16				
2-bits CIC High-Order 6-bits Message Type = 1	Message Type = 1		Nature of Connection Indicators	Forward Call Indicator Bits HA	Forward Call Indicator Bits PI	Calling Party Category	Offset of 1st Mandatory Var. Parameter	Offset of 2nd Mandatory Var. Parameter	Offset of Start of Operational Part	Length Indicator of User Service Info	User Service Information No. of Octets = Length Indicator Value	Length Indicator of Called Party No.	Called Party Number No. of Octets = Length Indicator Value	Optional Parameter Code	Optional Parameter Length Indicator	



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Serial No.: 09/781,922
Date Filed: February 5, 2001
Title: Method and Apparatus for In Context...
Sheet 14 of 15

Release Message

 SIO and Routing Label
CIC Low-Order Octet
2-bits CIC High-Order 6-bits
Message Type = 12
Offset of 1st Mandatory Var. Parameter
Offset of Start of Operational Part
Length Indicator of Cause Indicators
Release Cause Indicator Parameter No. of Octets = Length Indicator Value
Optional Parameter Code
Optional Parameter Length Indicator
Optional Parameter No. of Octets = Length Indicator Value
End of Optional Parameters Indicator

Fig 18

Release Complete Message

Optional Parameter
No. of Octets = Length Indicator Value

End of Optional Parameters Indicator

Optional Parameter Length Indicator

Optional Parameter Code

Offset to Start of Optional Part

Message Type = 9

CIC High-Order 6-bits

spare 2-bits

SIO and Routing Label

Answer Message

CIC Low-Order Octet

CIC High-Order 6-bits SIO and Routing Label CIC Low-Order Octet Message Type = 16 2-bits spare

Fig. 19

